

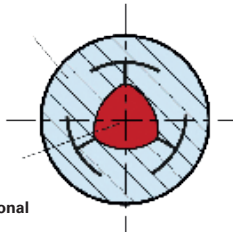
The HSK-E polygon collet chucks have been developed for precise and safe cutting, also at high speeds.

The stable, rotation-symmetrical design has an excellent concentricity of less than 3 µm. This permits high quality milling results at a speed of up to 48,000 RPM.

With passive vibration damping, the life of the high frequency spindle and the cutting tool is significantly improved.

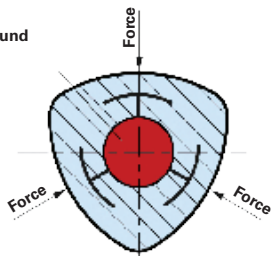


TRIBOS-RM Toolholder

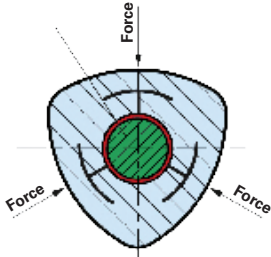


Clamping diameter polygonal

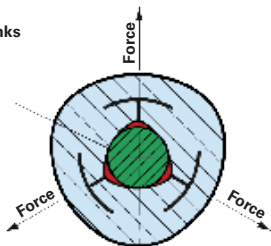
Clamping diameter is round



Joining shank



Clamping diameter shrinks



1. Before clamping

The polygon-shaped geometry of the shank insert can be clearly seen in the unloaded, relieved state.

2. In the clamping fixture

Force is applied at three points by means of the hydraulic clamping fixture. This makes the shank insert circular.

3. Inserting the tool shank

Now the tool shank can be easily and quickly mounted in the insert.

4. The tool is clamped

The pressure of the clamping fixture and the force transmission are reduced. The elastically deformed collet chuck comes back to its polygon shape. Now the tool is firmly and centrally clamped.

DATRON/Schunk HSK-E Collets



The HSK-E inserts developed by DATRON and Schunk are solidly built and come with a concentricity of <math><3\ \mu\text{m}</math> and guarantee highest precision during the machining process.

Art. No.	D1 (mm)	D2 (mm)	Type	L1 (mm)	L2 (mm)
0068300G	3.0	20.0	HSK-E 25	40.0	30.0
0068300S	3.0	14.0	HSK-E 25	40.0	30.0
0068311D	3.175	20.0	HSK-E 25	40.0	30.0
0068301G	4.0	20.0	HSK-E 25	40.0	30.0
0068302G	5.0	20.0	HSK-E 25	40.0	30.0
0068303G	6.0	20.0	HSK-E 25	40.0	30.0
0068303S	6.0	14.0	HSK-E 25	40.0	30.0
0068304G	8.0	20.0	HSK-E 25	40.0	30.0
0068305G	10.0	20.0	HSK-E 25	40.0	30.0
0068306D	3.0	20.0	HSK-E 32	50.0	30.0
0068307D	6.0	20.0	HSK-E 32	50.0	30.0
0068308D	8.0	20.0	HSK-E 32	50.0	30.0
0068309D	10.0	20.0	HSK-E 32	50.0	30.0